$\mathcal{Q}$ 

AD-A205 778

## COST MEMORANDUM

89-Ø7

TROOP SUPPORT INFLATION PROGRAM

(A COMPUTER PROGRAM GENERATING HISTORICAL INFLATION FACTORS FOR TROOP SUPPORT ITEMS)



MARY S. ORTWERTH
JANUARY 1989

U.S. ARMY TROOP SUPPORT COMMAND (TROSCOM) DIRECTORATE FOR RESOURCE MANAGEMENT COST ANALYSIS DIVISION 4300 GOODFELLOW BLVD. 8T. LOUIS, MISSOURI 63120



## DISTRIBUTION STATEMENT

Approved for public releases
Distribution Unlimited

SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 2. SOVT ACCESSION NO	. 3. RECIPIENT'S CATALOG NUMBER
TROSCOM Cost Memorandum 89-07	,
4. TITLE (and Subtitle)	5. TYPE OF REPORT & PERIOD COVERED
Troop Support Inflation Program	
(A Computer Program Generating Historical	Jan 89 - Jan 90
Inflation Factors for Troop Support Items)	6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)	8. CONTRACT OR GRANT NUMBER(e)
	]
Mary S. Ortwerth	
9. PERFORMING ORGANIZATION NAME AND ADDRESS USATROSCOM, Directorate for Resource Management	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
Cost Analysis Division ATTN: AMSTR-CCP	
4300 Goodfellow Boulevard	
St. Louis, MO 63120-1798	12. REPORT DATE
	January 1989
	13. NUMBER OF PAGES
14. MONITORING AGENCY NAME & ADDRESS(If different from Controlling Office)	15. SECURITY CLASS. (of this report)
14. MONTONING NOTICE A NODE SOLD BUILDING CONTOURING OUTLES	13. SECURITY CENSS. (OF this report)
	Unclassified
	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)	
is bis rigotion strickler (or and report)	
Approved for Public Release; Distribution is unlim	ited.
17. DISTRIBUTION STATEMENT (of the abetract entered in Block 20, if different fr	om Report)
18. SUPPLEMENTARY NOTES	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number	)
Historical Inflation Factors	,
Troop Support Items	
PPI Codes	
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)	
The Historical Inflation indices in this report adjusting historical costs for US Army Troop Support	
Support items are categorized by the Producer Price	
are broken out by month for each year and expressed	
and as a fiscal year factor.	_
	Branto Milli
Any for it sept to	-

DD 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

### TROOP SUPPORT INFLATION PROGRAM

89-07

produced by:
Program/Validation Branch
Cost Analysis Division
Directorate For Resource Management
U.S. Army Troop Support Command
St. Louis, Missouri 63120

data provided by:
Kansas City Regional Office
Bureau of Labor Statistics
U.S. Department of Labor
911 Walnut Street
Kansas City, Missouri 64106

NATURAL N SERVICE DI MANAZIMO TO INVENTE SERVANIA LI VILLE
C. S. S. 3015
VALUE FOLD
1 (2) 1 (2) 13 (4) (4) (5) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7
A ALL T TERMILLIGER PH NEN 693-3133
REMARI PLE W YE N.

APPROVED BY:

Accesi	on For	
DTIC	CRA&I TAB ounced	<b>1</b>
Justine	ution	
By	ution/	
A	va.labilit <b>y</b>	Codes
Dist	Avail an Speci	u
A-1		المعصورة المعطورة معوارة

WILLIAM E. BECHER

CHIEF, PROGRAM/VALIDATION BRANCH DIRECTORATE FOR RESOURCE MANAGEMENT RALPH CPAWFORD

CHIEF, COST ANALYSIS DIVISION

DIRECTORATE FOR RESOURCE MANAGEMENT

#### **ACKNOWLEDGEMENTS**

For their roles in the preparation of this report, credit is due the following:

Mr. John Zamarra, U.S. Naval Sea Systems, for supplying the research materials and inflation data used to update U.S. Army watercraft costs,

The Kansas City Regional Office, Bureau of Labor Statistics, U.S. Department of Labor, for special assistance with wage and price data,

and Mr. Warren Gille and Ms. Cynthia Phillips, TROSCOM Cost Analysis Division, for their preparation of past reports, from which the verbage in this report is taken.

# TROOP SUPPORT INFLATION PROGRAM TABLE OF CONTENTS

				<u>PAGE</u>
I.	State	ement	of Applicability	1
II.	An O	vervi	ew of Inflation Indices for Troop Support Work	2
	A.	Intro	oduction	3
	в.	Sour	ce of Data and Explanations of Codes	3
	c.	Produ	ucer Price Indices used in Troop Support Work	5
	D.	Outp	ut Generated By the Computer Program	5
	E.	Addi	tional Publications Concerning Inflation	6
III.	Comp	uter (	Generated Inflation Indices	7
	A.	List	of PPI Codes and Associated TROSCOM Items	8
	в.	Produ	acer Price Indices and Factors	
		1.	Rubber and Plastic Products - PPI Code 07	9
		2.	Heating Equipment - PPI Code 10-6	10
		3.	Fabricated Structural Metal Products - PPI Code 10-7	11
		4.	Machinery and Equipment - PPI Code 11	12
		5.	Construction Machinery and Equipment - PPI Code 11-2	13
		6.	Watercraft/Small Ships Naval Sea Systems	14
		7.	Special Industry Machinery and Equipment - PPI Code 11-6	15
		8.	Electrical Machinery and Equipment - PPI Code 11-7	16
		9.	Railroad Equipment - PPI Code 14-4	17
		10	Industrial Commodities - PPT Codes 03-15	1 0

#### I. APPLICABILITY.

The inflation indices and factors in this report have been developed for use in the adjustment of historical costs for U.S. Army Troop Support Command managed items, and are covered under the Other Procurement, Army (OPA) appropriation. Due to the multiplicity of troop support items, the justification for the selection and use of any index not covered by the schedule listed in Section II of this document is the user's responsibility.

## SECTION II.

An overview of Inflation Indices for Troop Support Work

#### A. <u>Introduction</u>.

Historical indices are a convenient device for translating the price of an item procured in the past to what the "replacement price" for the item would be today. Several questions, however, should be asked before using an index to update past procurement prices:

- 1. Is the item for which an updated price is to be calculated obsolete due to changes in technology? Theoretically, prices for WWII vintage equipment can be "updated." However, it should be obvious that this is not a reasonable procedure. To calculate the replacement price for obsolete equipment, a special cost study rather than the application of a numerical index, is required.
- 2. Is the item under consideration made of the same materials and by the same manufacturing process as when last procured? If the manufacturer has substituted nylon parts for metal parts without loss of performance, or now assembles or packages the item by machine and has significantly lowered his costs, the replacement price for the item could be lower than the index would indicate.
- 3. Are the conditions of the replacement procurement, if undertaken, identical to past procurement(s)? For instance, are the quantities to be purchased in the old and new procurements <u>similar</u>?
- 4. Is the index appropriate for use with the item at hand? An index is developed by tracking price changes for a group of items over time. Whether or not a specific index is used for an item depends on whether the item belongs to that group being indexed, and whether it receives adequate representation on the group. For example, aluminum metal items are not accurately tracked using Code 10, Metals and Metal Products, which experienced inflation of 10.0% for FY 80 FY 85. Rather Code 10-2, Nonferrous Metals, is more appropriate because it contains numerous aluminum shapes, forgings, and semi-finished items. Aluminum items have experienced less rapid cost growth than the general group of metal items. Nonferrous Metals experienced a 13.9% decrease for FY 80 FY 85 as compared to the 10.0% increase for Metals and Metal Products for the same period.

#### B. <u>Source of Data and Explanation of Codes</u>:

The data used to produce the fiscal year historical inflation indices is supplied by the Kansas City Regional Office, Bureau of Labor Statistics, U.S. Department of Labor. The term PPI code is merely an abbreviation for Producer Price Index code, formerly called the Wholesale Price Index code. The name was changed because raw materials and semi-finished goods are included in the index, not just finished goods at the wholesale level. Producer Price Index codes are two to eight digits in length. The more digits a code has, the more narrowly defined the index is. For example:

PPI Code 11 is Machinery and Equipment

----a subcategory of Code 11 is:

PPI Code 11-7, Electrical Machinery and Equipment

---a further refinement is:

PPI Code 11-73 Motors, Generators, and Motor Generator Sets

----a subcategory of this is:

PPI Code 11-7303, Fractional Horsepower Motors and Generators

----and an final subcategory of this subcategory is:

PPI Code 11-730301, Automobile Accessory Motors

----which is a well defined, item specific category..

Because a single PPI code may be used to track a number of similar items, most codes used for troop support work are two, three, or at most four digit codes. A list of the general two digit codes in the Producer Price Index is presented below. The fifteen PPI codes cover the majority of the items produced and consumed by the U.S. economy.

#### PRODUCER PRICE INDEX CODES AT THE AGGREGATE LEVEL.

PPI CODE	TITLE
01	Farm Products
02	Processed Foods and Feeds
03	Textile Products and Apparel
04	Hides, Skins, Leather, and Related Products
05	Fuels and Related Products and Power
06	Chemicals and Allied Products
07	Rubber and Plastic Products
80	Lumber and Wood Products
09	Pulp, Paper, and Allied Products
10	Metals and Metal Products
11	Machinery and Equipment
12	Furniture and Household Durables
13	Nonmetallic Mineral Products
14	Transportaion Equipment
15	Miscellaneous Products

A list of Producer Price Index codes and the troop support items with which they have been traditionally associated at TROSCOM is included in Section III of this document.

#### C. <u>Producer Price Indices used in Troop Support Work</u>.

From a review of documents which span the past 15 years, it was determined that as many as 103 Producer Price Index codes were considered for and/or used in troop support work. A number of these indices were used for Economic Price Adjustment (EPA) contracts, in which contractual obligations are adjusted according to the movement of specialized indices written into the procurement contract. Most of the remainder are two, three, and four digit codes, similar to those listed in Section III currently used for troop support items.

In order to make updating past prices a manageable exercise, the number of inflation indices had to be reduced significantly. In the early 1970's, the set of 103 was reduced to ten, nine specific and one general. These indices are listed on p. 8, and follow on pp. 9-17.

The indexing technique used is called indexing by similarity. Most troop support items have some similar counterpart in private industry. Army heating and air conditioning equipment, compressors, and generators, for example are similar in construction to commercial equipment. Often a manufacturer may make both military and commercial equipment at the same location. Due to the thousands of troop support items purchased over the years, the most similar index from the basic set of ten Producer Price Indexes is used as a proxy.

#### D. Output Generated by the Computer Program:

Data provided by the Bureau of Labor Statistics is in monthly, calendar year format. The computer program does the following:

- (1) Rearranges and prints the monthly index in fiscal year format, including FY 76/7T, as prescribed by Higher Headquarters.
- (2) Computes and prints fiscal year averages for the indices, with calendar year 1982 as the base year.
- (3) inverts the index, computes, and prints fiscal year factor which can be used to move a price paid for an item in the past to its approximate price in the current time period.

For example, if the fiscal year factors for FY 82 to FY 88 are the following:

<u>Yea</u>	<u>ar</u>	Fautor
FY	88	1.00
FY	87	1.06
FY	86	1.16
FY	85	1.25
FY	84	1.37
FY	83	1.51
FY	82	1.67

....to update the price paid for an item in FY 82 so that it reflects what would be paid for the same item in FY 88, multiply by 1.67. The fiscal year factors are a convenience provided to the user, and allow any past price to be brought up to date with one multiplication.

#### E. Additional Publications Concerning Inflation

Among the documents available from the Inflation Focal Point, Cost Analysis Division, Directorate for Resource Management, AMSTR-CCP are the following:

- DOD Deflator Guidelines (COA)
- (2) "The AMC Inflation Guidance Package."
- (3) "General Guidance for PRIMIR Submissions."
- (4) Handbook of ARMY Cost Analysis Terms
- (5) The <u>Historical Research and Development Inflation</u>
  <u>Indices for U.S. Army Troop Support Items</u>.
- (6) <u>Inflation Indices</u>, <u>An Introduction To Basic Theory</u> and Their Application, with Sample Problems.
- (7) Inflation and Real Growth-An Executive Primer (COA).
- (8) The Standard Army Inflation Methodology. (SAIM) AR 37-63.
- (9) "The U.S. Cost Forecasting Service Review."

## SECTION III

Computer Generated Inflation Indices

#### PPI CODES AND ASSOCIATED TROSCOM ITEMS

The following Producer Price Indexes have been associated with the corresponding TROSCOM OPA items for a considerable period of time, and have been used to estimate current prices based on past procurement prices:

Producer Price Index
<u>Title and Code</u>

Rubber and Plastic Products
PPI Code 07

Heating Equipment PPI Code 10-6

Fabricated Structural Metal Products PPI Code 10-7

Machinery and Equipment
PPI Code 11

Construction Machinery and Equipment
PPI Code 11-2

Watercraft/Small Ships Index provided to TROSCOM by U.S. Naval Sea Systems

Special Industry Machinery and Equipment PPI Code 11-6

Electrical Machinery and
Equipment
PPI Code 11-7

Railroad Equipment PPI Code 14-4

Industrial Commodities
Average PPI Codes
03 through 15

Troop Support Command (TROSCOM) OPA Item

Collapsible Tanks

Air Conditioners Heaters

AVL Bridge (Not including Tanks Chassis) Tanks Other Bridges

Power Plant (MUST)
Firefighting Equipment
Forklift Trucks

Pumps Compressors

Watercraft

Theodolites
Tape Equipment
Surveying Instruments

Generators Light Sets Utility Elements

Railroad Equipment

All other items
Not Included in
the above



Troop Support Eistorical Inflation Indices
BLS Code: 07 RUBBER AND PLASTIC PRODUCTS

FY	001	YOY	DEC	JAN	FEB	MAR	APE	МАЎ	ROF	JIL	AUG	SEP	FISCAL YR AVERAGE	FISCAL YE FACTOR
88	104.40	105.10	105.50	106.20	106.90	107.70	108.20	108.80	109.10	110.20	110.90	111.20	107.85	1.000
87	101.50	101.30	101.20	101.50	101.60	101.40	101.80	102.00	102.30	102.90	103.20	103.76	102.03	1.057
86	101.60	101.70	101.90	102.30	102.50	102.20	102.20	102.00	102.00	101.70	102.00	101.80	101.99	1.057
85	102.20	102.00	101.90	102.20	102.10	102.10	102.20	102.10	102.00	101.90	101.40	101.50	101.97	1.058
84	101.20	100.90	101.00	101.40	102.00	102.10	102.40	102.50	102.60	102.60	102.60	102.90	102.02	1.057
83	100.40	100.10	100.30	100.60	100.40	100.20	100.70	100.80	100.70	100.80	101.00	100.80	100.57	1.072
82	98.30	98.60	98.70	98.30	99.20	99.80	99.90	100.30	100.50	100.30	100.50	100.50	99.57	1.083
81	92.30	92.60	92.50	93.20	93.80	94.60	95.60	96.10	95.70	96.20	97.00	97.70	94.86	1.137
60	84.10	84.90	85.30	86.10	87.30	88.10	88.70	69.10	90.00	90.70	91.30	92.00	88.13	1.224
79	73.80	74.30	74.40	74.90	75.90	77.00	78.20	79.00	80.00	81.00	82.40	83.10	77.83	1.386
78	70.50	70.50	70.50	70.50	70.50	71.00	71.60	72.00	72.30	72.50	72.80	73.20	71.49	1.509
77	68.20	68.30	68.20	68.20	68.00	68.20	68.70	68.90	69.40	70.00	70.10	70.20	68.87	1.586
FY	JOL	∆UG	SEP	oct	Roa	DEC	JAN	FEB	MAB	APR	MAY	JUN	FISCAL YR AVERAGE	FISCAL YR FACTOR
76 7 <b>T</b>	62.20 65.60	62.20 66.70	62.50 67.90	62.80	62.90	62.90	63.10	63.90	64.40	64.90	65.10	65.10	64.15	1.681
75	57.80	59.40	60.30	61.10	61.50	61.90	62.00	62.20	62.00	61.90	61.70	61.60	61.12	1.765
74	46.80	46.90	46.70	47.20	47.60	48.30	48.80	49.60	51.30	53.60	55.40	56.20	49.87	2.163
73	45.30	45.40	45.40	45.40	45.50	45.50	45.60	45.60	45.70	45.80	46.20	46.60	45.67	2.362
72	45.30	45.50	45.40	45.30	45.30	45.30	45.40	45.30	45.10	45.10	45.10	45.10	45.27	2.383
71	45.00	45.20	45.20	45.20	45.20	45.20	44.90	45.10	45.10	45.10	45.00	45.00	45.10	2.391
70	43.80	44.00	43.80	44.20	44.50	44.50	44.70	44.60	44.60	44.50	44.40	44.40	44.33	2.453
69	42.90	43.10	43.10	43.20	43.20	43.30	42.80	43.00	43.10	43.30	43.20	43.20	43.12	2.501
68	40.90	41.80	42.00	42.20	42.40	42.40	42.40	42.50	42.50	42.50	42.60	42.70	42.24	2.553
67	40.60	40.60	40.50	40.40	40.60	40.60	40.90	41.00	41.00	41.00	40.90	40.90	40.75	2.647



Troop Support Eistorical Inflation Indices

ELS Code: 10-6 HEATING EQUIPMENT

FY	007	YOY	DEC	Jan	FEB	MAR	APR	МАУ	JUE	JU.	AUG	SEP	FISCAL YB AVERAGE	FISCAL YR FACTOR
88	115.70	117.10	114.10	115.90	118.40	118.40	118.50	118.80	118.50	120.50	120.10	120.00	118.00	1.000
87	114.30	114.40	114.50	115.30	115.40	115.70	115.60	115.60	115.10	115.50	115.60	115.50	115.21	1.024
86	110.20	110.30	110.50	111.60	111.70	111.60	112.50	112.30	113.00	113.10	113.50	113.40	111.97	1.054
85	107.90	107.90	108.10	108.00	108.50	108.50	108.70	109.40	109.50	109.60	110.00	110.30	108.88	1.084
84	103.40	103.50	103.60	104.20	104.60	104.80	105.50	106.40	106.50	107.60	107.70	107.80	105.47	1.119
83	100.50	100.70	100.90	1050	101.50	101.60	162.20	102.30	102.40	103.20	103.30	104.00	102.01	1.157
82	96.50	96.50	96.90	98.40	98.30	99.30	99.50	100.00	100.50	100.70	100.50	100.80	98.99	1.192
81	88.80	89.40	90.20	91.30	91.70	92.50	92.70	93.70	94.20	95.40	96.10	96.30	92.69	1.273
80	81.00	81.40	82.40	84.10	85.40	85.40	86.10	86.00	86.40	86.90	87.70	88.00	85.07	1.387
79	74.60	74.70	75.50	75.90	76.30	77.30	77.50	78.30	78.10	78.40	79.30	80.70	77.22	1.528
78	70.80	70.90	71.40	72.20	72.00	72.20	72.80	73.10	73.30	73.50	74.30	74.20	72.56	1.626
77	67.50	67.80	68.20	68.70	68.80	69.00	68.90	69.10	69.40	69.70	70.00	70.30	68.95	1.711
FY	jn	AUG	SEP	OCT	МОЛ	DEC	Jan	FEB	MAR	APR	MAT.	JUN	FISCAL YR AVERAGE	FISCAL TR FACTOR
76 7 <b>1</b>	63.30 66.80	63.40 67.20	63.40 67.60	64.10	64.50	65.40	65.50	65.50	65.40	65.70	66.10	66.20	65.34	1.806
75	57.80	59.00	59.60	61.10	62.00	62.60	62.50	62.80	63.00	63.10	63.30	63.50	61.69	1.913
74	51.00	50.90	50.90	50.90	51.00	51.30	51.80	52.10	52.50	53.80	54.80	56.00	52.25	2.258
73	5ú.20	50.20	50.30	50.20	50.30	50.20	50.10	50.30	50.40	50.80	50.70	50.90	50.38	2.342
72	48.80	49.00	49.00	49.00	49.00	49.00	48.90	49.00	49.30	49.70	49.80	50.00	49.21	2.398
71	47.00	47.00	47.10	47.40	47.60	47.70	47.80	48.10	48.10	48.30	48.60	48.50	47.77	2.470
70	44.40	44.50	44.60	44.90	45.40	45.40	45.40	45.50	45.70	46.10	46.20	46.60	45.39	2.600
69	43.50	43.50	43.50	43.50	43.60	43.80	43.70	43.80	43.90	44.10	44.10	44.30	43.77	2.696
68	42.20	42.10	42.20	42.30	42.50	42.60	42.50	42.70	42.90	43.10	43.30	43.40	42.65	2.767
67	42.20	42.10	42.20	42.40	42.50	42.50	42.10	41.80	41.90	41.90	41.90	42.20	42.14	2.800



Troop Support Bistorical Inflation Indices

ELS Code: 10-7 FABRICATED STRUCTURAL METAL PRODUCTS

FY	OCT	VOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JOL	AUG	SEP	FISCAL YE AVERAGE	FISCAL TE FACTOR
òô	107.00	107.80	103.60	110.20	110.80	111.70	112.90	113.80	114.40	116.10	116.50	116.50	112.19	1.000
87	103.60	104.10	103.80	103.60	103.60	104.00	104.20	104.40	104.90	105.20	105.60	106.10	104.44	1.074
86	103.50	103.30	103.30	103.30	103.50	103.40	103.40	103.30	103.50	103.50	103.70	103.70	103.45	1.085
85	102.90	102.60	102.80	102.90	102.90	103.20	103.20	103.20	103.20	103.20	103.40	103.30	103.07	1.089
64	99.80	100.20	100.40	100.60	100.70	101.20	101.50	101.90	102.10	102.30	102.40	102.40	101.29	1.108
83	100.40	100.20	100.00	99.60	99.40	99.60	99.20	99.10	99.10	99.20	99.40	99.80	99.58	1.127
82	99.30	99.50	99.40	99.60	99.70	99.90	100.10	100.00	100.20	99.70	99.80	100.50	99.81	1.124
81	90.90	91.20	91.60	92.90	93.60	95.00	96.10	96.40	96.80	97.70	98.20	98.40	94.90	1.182
80	84.10	84.20	84.50	84.90	85.20	87.00	88.30	88.50	88.60	89.30	89.60	89.90	87.01	1.289
79	76.00	76.20	76.60	78.20	78.90	79.20	80.00	81.00	81.40	82.20	82.70	83.20	79.63	1.409
7ê	69.50	69.60	70.00	70.40	71.80	72.60	73.70	73.90	74.10	74.80	75.50	75.70	72.63	1.545
77	64.80	65.00	65.30	65.40	65.70	66.20	66.60	67.00	67.20	68.20	68.90	69.50	66.65	1.683
FY	jn	AUG	SEP	OCT	ROA	DEC	Jan	FEB	MAR	APR	мач	JUK	FISCAL YR AVERAGE	FISCAL YR FACTOR
76 77	61.80 63.50	62.00 64.10	62.10 64.60	62.40	62.30	62.60	62.50	62.40	62.50	62.50	62.60	63.00	62.73	1.788
75	54.20	57.50	59.00	59.70	59.90	60.00	60.80	62.20	62.30	61.80	61.90	61.90	60.10	1.867
74	41.70	41.90	42.20	42.50	42.90	43.20	44.40	44.90	46.00	47.20	49.80	52.10	44.90	2.499
73	40.10	40.20	40.20	40.40	40.40	40.50	40.80	40.90	41.00	41.20	41.60	41.60	40.74	2.754
72	38.80	39.50	39.40	39.40	39.40	39.40	39.90	40.00	40.10	40,10	40.00	40.10	39.67	2.628
71	37.10	37.20	37.30	37.30	37.30	37.50	37.70	37.90	38.20	38.30	38.40	38.60	37.73	2.973
70	34.90	35.10	35.20	35.30	35.40	35.40	35.60	35.80	36.20	36.30	36.50	36.80	35.71	3.142
69	33.50	33.70	33.80	33.90	33.90	34.00	34.00	34.10	34.10	34.30	34.50	34.80	34.05	3.295
68	32.80	32.90	32.90	33.00	33.00	33.00	33.10	33.10	33.30	33.30	33.20	33.50	33.09	3.390
67	32.50	32.50	32.50	32.60	32.60	32.70	32.60	32.60	32.60	32.70	32.70	32.70	32.61	3.441

Troop Support Elstorical Inflation Indices
BUS Code: 11 MACHINERY AND EQUIPMENT



FY	100	₩ОФ	DEC	JAN	FEB	KAR	APR	MAY	JUN	JOL	AUG	SEP	FISCAL YR AVERAGE	FISCAL TR FACTOR
88	110.90	111.00	111.30	111.90	112.20	112.30	112.50	112.90	112.90	113.20	113.60	113.80	112.38	1.000
27	109.20	109.40	109.50	109.80	109.90	110.00	110.00	110.20	110.10	110.40	110.60	110.60	109.97	1.022
85	107.60	107.70	107.60	108.00	108.20	108.30	108.60	108.60	108.70	109.00	109.10	109.10	108.39	1.037
85	105.80	105.90	106.00	106.50	106.80	106.80	106.90	107.10	107.20	107.30	107.50	107.60	106.78	1.052
84	103.20	103.30	103.60	103.90	104.10	104.40	104.80	105.00	105.20	105.50	105.50	105.60	104.51	1.075
83	100.60	101.10	101.30	101.60	102.00	102.10	102.40	102.60	102.70	103.10	103.10	103.30	102.18	1.100
82	96.60	97.00	97.60	98.30	98.80	99.10	99.60	99.80	99.90	100.30	100.40	100.50	98.99	1,135
81	88.50	89.10	89.60	90.90	91.60	92.40	93.10	93.50	94.00	95.00	95.50	96.20	92.45	1.216
83	78.90	79.40	80.10	81.60	82.60	83.40	84.80	85.20	85.80	86.60	87.00	87.60	83.60	1.344
79	71.90	72.70	73.10	73.60	74.10	74.60	75.20	75.80	76.20	77.00	77.50	78.10	74.98	1.499
78	66.60	67.00	67.30	67.90	68.30	68.70	69.10	69.60	70.10	70.50	70.90	71.30	68.94	1.630
77	62.40	62.60	62.90	63.40	63.70	63.90	64.20	64.60	64.80	65.20	65.60	65.90	64.10	1.753
FY	JUL	AUG	SEP	OCT	AOA	DEC	JAN	FEB	MAR	APR	Kay	Jur	FISCAL YR AVERAGE	FISCAL TR FACTOR
76 7 <b>7</b>	58.00 61.40	58.20 61.60	58.50 62.00	58.90	59.30	59.50	60.00	50.20	60.40	60.70	60.90	61.10	60.05	1.671
75	50.30	51.80	52.70	53.80	54.80	55.20	56.20	56.60	57.00	57.30	57.50	57.70	55.08	2.040
74	43.80	43.90	44.00	44.20	44.40	44.70	45.20	45.60	45.30	46.90	48.10	49.20	45.52	2.468
73	42.40	42.40	42.40	42.50	42.50	42.50	42.60	42.80	43.00	43.30	43.60	43.70	42.61	2.625
72	41.60	41.70	41.60	41.60	41.60	41.70	41.80	42.00	42.10	42.20	42.30	42.40	41.68	2.683
71	40.00	40.00	40.20	40.40	40.60	40.80	41.00	41.10	41.20	41 30	41.40	41.40	40.78	2.755
70	38.20	38.20	38.50	38.70	38.90	39.10	39.40	39.40	39.50	39.60	39.70	39.80	39.08	2.875
69	37.10	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	38.00	38.10	37.56	2.092
68	35.60	35.90	35.90	36.00	36.20	36.30	36.60	36.70	36.70	\$6.90	37.00	37.00	36.42	3.086
67	34.80	34.80	34.90	35.10	35.40	35.50	35.70	35.70	35.70	35.60	35.80	35.80	35.42	3.173



Troop Support Historical Inflation Indices

BLS Code: 11-2 CONSTRUCTION MACHINERY AND EQUIPMENT

FY	oct	roa	DEC	Jan	FEB	MAR	APB	May	JUN	JUL	AUG	Sep	FISCAL YR AVERAGE	FISCAL YR FACTOR
88	109.40	109.50	109.70	110.60	111.00	111.00	111.10	111.10	111.20	111.90	112.20	112.30	110.92	1.000
87	106.70	107.50	107.50	107.70	107.90	108.40	108.50	109.20	109.20	109.10	109.20	109.30	108.35	1.024
85	105.60	105.70	105.70	106.20	106.30	106.30	106.40	106.50	106.70	106.70	106.70	106.70	106.29	1.044
85	104.00	104.00	104.00	105.30	105.60	105.40	105.20	105.20	105.30	105.30	105.40	105.50	105.02	1.056
84	102.80	102.90	102.80	103.00	103.50	103.30	104.00	104.00	104.10	104.20	103.80	103.90	103.53	1.071
83	101.10	101.20	101.20	101.30	101.60	101.70	102.00	102.40	102.50	102.60	102.60	102.80	101.92	1.088
82	95.50	95.90	96,50	98.00	98.30	98.60	99.30	99.90	100.00	100.60	100.80	101.10	98.71	1.124
81	87.00	87.30	87.60	88.90	90.10	90.90	92.20	92.60	93.10	94.20	94.50	94.90	91.11	1.217
80	76.70	77.20	78.20	<b>6</b> 0.30	80.90	81.30	82.60	83.10	83.60	84.80	85.30	86.00	81.67	1.358
79	69.90	70.50	70.90	71.40	72.10	72.30	73.20	73.80	73.90	74.70	75.20	75.30	72.77	1.524
76	63.20	64.20	64.90	65.00	65.40	65.60	66.40	67.00	67.20	67.70	68.20	68.90	68.14	1.677
77	58.90	59.50	59.90	60.20	60.50	60.60	81.10	61.60	61.70	62.20	62.60	62.40	60.93	1.820
FY	JOL	AUG	SEP	oct	KOA	DEC	JAN	FEB	MAR	APR	MAY	JUN	FISCAL YR AVERAGE	FISCAL TR FACTOR
76 7 <b>7</b>	53.80 58.10	53.90 58.30	54.50 58.40	54.80	55.60	56.00	56.20	56.60	56.70	56.80	57.10	57.50	56.29	1.971
75	44.00	46.90	47.50	48.60	49.10	49.40	51.60	52.40	52.90	53.50	53.50	53.60	50.25	2.207
74	38.20	38.20	38.29	38.50	38.60	39.00	39.40	39.80	40.30	40.70	\$2.20	43.30	39.70	2.794
73	36.60	36.70	36.70	36.70	36.70	36.70	36.60	37.00	37.40	37.90	38.10	38.20	37.13	2.988
72	35.50	35.50	35.50	35.50	35.50	35.90	36.10	36.30	36.30	36.50	36.50	36.60	35.97	3.083
71	33.40	33.60	33.70	34.40	34.70	35.00	35.10	35.20	35.20	35.30	35.30	35.30	34.68	3.198
70	32.00	32.00	32.30	32.70	32.90	33.10	33.10	33.20	33.20	33.20	33.40	33.40	32.88	3.374
69	30.60	30.60	30.90	31.10	31.40	31.40	31.60	31.70	31.80	31.80	31.80	31.90	31.38	3.534
68	29.00	29.00	29.00	29.40	29.70	29.90	30.20	30.30	30.40	30.50	30.60	30.60	29.88	3.712
67	28.10	28.10	28.20	28.30	28.50	28.50	28.60	28.70	28.80	28.80	28.90	28.90	28.54	3.886



#### WATERCRAFT/SMALL SHIP INDEX



				Small Ship	Fiscal Year
		Labor	Mat'I	Index	Factor
1980	Mar	95.8	268.0	181.9	1.325
	Jun	96.9	272.7	184.8	
	Sep	100.0	275.9	188.0	
	Dec	101.1	284.0	192.6	
1981	Mar	103.3	293.0	198.2	1.217
	Jun	104.8	296.2	200.5	
	Sep	110.0	304.1	207.1	
	Dec	112.4	306.2	209.3	
1982	Mar	114.5	309.5	212.0	1.137
	Jun	114.1	308.4	211.3	
	Sep	118.1	308.2	213.2	
	Dec	120.6	307.7	214.2	
1983	Mar	121.9	312.3	217.1	1.111
	Jun	121.3	312.8		
	Sep	123.2	316.3		
	Dec	127.0	318.4	222.7	
1984	Mar	126.9	322.1	224.5	1.074
	Jun	125.7	323.6		
	Sep	126.8	324.9		
	Dec	128.6	325.2	226.9	
1985	Mar	131.0	327.0		1.053
	Jun	130.6	326.2		
	Sep	130.9	326.6		
	Dec	131.9	326.2	229.1	
1986	Mar	132.3	322.2		1.061
	Jun	134.8	323.1		
	Sep	135.5	324.1		
	Dec	135.9	324.2	230.1	
1987	Mar	136.5	325.8		1.043
	Jun	136.6	326.7		
	Sep	136.4	332.0		
	Dec	134.9	340.6	3 237.8	
1988	Mar	134.1	348.		1.000
	Jun	133.2	351.		
	Sep		357.	5 357.5	

NOTES: CY 1980 = 100.0 for Labor Index Base CY 1967 = 100.0 for Material Index Base Small Ship Index is calculated based on 50% Labor and 50% Material.

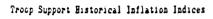
Source of Index is U.S. Naval Sea Systems, Washington, D.C.

Troop Support Bistorical Inflation Indices

BLS Code: 11-6 SPECIAL INDUSTRY MACHINERY AND EQUIPMENT



FY	oct	ROA	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	∆UG	SEP	FISCAL YR AVERAGE	FISCAL TR FACTOR
88	118.10	118.40	118.80	119.30	119.80	120.10	120.70	121.00	121.50	122.10	122.50	122.70	120.42	1.000
87	115.20	115.40	115.80	116.20	116.60	116.70	116.80	117.00	117.00	117.30	117.30	117.50	116.57	1.033
86	111.50	111.80	112.20	112.60	112.90	113.00	113.30	113.60	114.20	114.40	114.80	115.20	113.29	1.063
85	108.10	108.20	108.40	109.40	109.80	110.00	110.20	110.40	110.70	111.00	111.20	111.40	109.90	1.096
84	104.70	104.90	105.20	105.20	105.50	106.00	106.70	107.10	107.20	108.20	108.50	108.00	106.43	1.131
£3	100.60	101.20	101.50	102.10	102.30	102.60	102.90	103.30	103.50	103.90	104.30	104.50	102.74	1.17
62	96.80	96.90	97.30	98.60	98.60	98.80	99.30	99.60	100.00	100.60	100.50	100.50	98.96	1.217
81	88.00	88.50	89.50	90:90	92.00	92.60	93.30	94.50	95.00	95.60	95.40	96.20	92.63	1.300
80	78.10	78.40	78.80	80.10	80.90	81.60	83.60	84.00	84.40	85.10	85.20	87.00	82.27	1.464
79	70.80	71.60	71.90	72.70	72.90	73.50	74.90	75.40	75.70	76.80	77.20	77.20	74.22	1.623
78	64.40	64.60	65.10	65.70	65.90	66.60	67.10	67.40	68.30	68.70	69.20	69.80	66.90	1.800
77	59.00	59,00	59.60	60.10	60.40	60.70	61.20	61.70	62.10	62.40	62.70	62.80	60.98	1.975
FY	JUL	AUG	SEP	oct	ROA	DEC	JAN	FEB	NAD.	455	Y <b>ł</b> y	JUK	FISCAL YR AVERAGE	FISCAL YR FACTOR
76 71							V	1 4.0	MAR	APR	an i	JUA	IN AVERBUE	
	54.00 58.30	54.30 58.40	54.30 58.70	54.90	55.20	55.70	56.30	56.50	56.80	57.50	57.50	57.80	56.41	2.135
75				54.90 49.80	55.20 50.40	55.70 51.00	-							
75 74	58.30	58.40	58.70				56.30	56.50	56.80	57.50	57.50	57.80	56.41	2.135
	58.30 46.20	58.40 48.00	58.70 48.80	49.80	50.40	51.00	56.30 51.80	56.50 52.20	56.80 53.10	57.50 53.30	57.50 53.30	57.80 53.60	56.41 50.96	2.135 2.363
74	58.30 46.20 40.00	58.40 48.00 40.50	58.70 48.80 40.80	49.80 40.90	50.40 41.00	51.00 41.50	56.30 51.80 41.80	56.50 52.20 42.50	56.80 53.10 43.60	57.50 53.30 44.10	57.50 53.30 45.20	57.80 53.60 45.80	56.41 50.96 42.31	2.135 2.363 2.846
74 73	58.30 46.20 40.00 38.10	58.40 48.00 40.50 38.10	58.70 48.80 40.80 38.10	49.80 40.90 38.20	50.40 41.00 38.30	51.00 41.50 38.30	56.30 51.80 41.80 38.40	56.50 52.20 42.50 38.90	56.80 53.10 43.60 39.10	57.50 53.30 44.10 39.50	57.50 53.30 45.20 39.70	57.80 53.60 45.80 40.00	56.41 50.96 42.31 38.73	2.135 2.363 2.846 3.110
74 73 72	58.30 46.20 40.00 38.10 37.40	58.40 48.00 40.50 38.10 37.40	58.70 48.80 40.80 38.10 37.50	49.80 40.90 38.20 37.50	50.40 41.00 38.30 37.50	51.00 41.50 38.30 37.50	56.30 51.80 41.80 38.40 37.70	56.50 52.20 42.50 38.90 37.90	56.80 53.10 43.60 39.10 37.80	57.50 53.30 44.10 39.50 37.90	57.50 53.30 45.20 39.70 38.00	57.80 53.60 45.80 40.00 38.10	56.41 50.96 42.31 38.73 37.68	2.135 2.363 2.846 3.110 3.195
74 73 72 71	58.30 46.20 40.00 38.10 37.40 35.80	58.40 48.00 40.50 38.10 37.40 35.80	58.70 48.80 40.80 38.10 37.50 35.80	49.80 40.90 38.20 37.50 36.10	50.40 41.00 38.30 37.50 36.10	51.00 41.50 38.30 37.50 36.40	56.30 51.80 41.80 38.40 37.70	56.50 52.20 42.50 38.90 37.90 36.80	56.80 53.10 43.60 39.10 37.80 36.80	57.50 53.30 44.10 39.50 37.90 36.90	57.50 53.30 45.20 39.70 38.00 37.00	57.80 53.60 45.80 40.00 38.10	56.41 50.96 42.31 38.73 37.68 36.42	2.135 2.363 2.846 3.110 3.195 3.307
74 73 72 71 70	58.30 46.20 40.00 38.10 37.40 35.60 34.00	58.40 48.00 40.50 38.10 37.40 35.80 34.00	58.70 48.80 40.80 38.10 37.50 35.80 34.10	49.80 40.90 38.20 37.50 36.10 34.20	50.40 41.00 38.30 37.50 36.10	51.00 41.50 38.30 37.50 36.40 34.90	56.30 51.80 41.80 38.40 37.70 36.70 35.10	56.50 52.20 42.50 38.90 37.90 36.80 35.10	56.80 53.10 43.60 39.10 37.80 36.80 35.20	57.50 53.30 44.10 39.50 37.90 36.90 35.20	57.50 53.30 45.20 39.70 38.00 37.00	57.80 53.60 45.80 40.00 38.10 37.20	56.41 50.96 42.31 38.73 37.88 36.42 34.74	2.135 2.363 2.846 3.110 3.195 3.307 3.466



BLS Code: 11-7 ELECTRICAL MACHINERY AND EQUIPMENT



FY	OCT	MOA	DEC	JAN	FEB	MAR	APR	MYÄ	JUN	lar	AUG	SEP	FISCAL YR AVERAGE	FISCAL YR FACTOR
88	113.10	113.20	113.40	113.70	114.10	113.70	113.80	114.40	114.20	114.40	114.70	114.60	113.94	1.000
87	111.70	111.80	111.90	112.30	112.40	112.30	112.20	112.30	112.20	112.70	112.90	112.70	112.28	1.015
85	109.90	109.80	110.00	110.30	110.60	110.80	111.00	111.00	110.90	111.50	111.50	111.70	110.75	1.029
85	108.30	108.60	108.70	109.30	109.60	109.60	109.30	109.50	109.40	109.60	109.70	109.80	109.28	1.043
84	104.80	104.90	105.30	105.70	106.10	106.50	107.00	107.10	107.60	107.70	107.70	107.90	106.52	1.070
83	100.50	100.90	101.20	101.60	102.40	102.60	102.90	103.00	103.10	104.40	104.40	104.90	102.66	1.110
82	97.30	97.60	98.00	98.80	99.10	99.50	100.00	99.90	100.00	100.00	100.10	100.10	99.20	1.149
81	89.40	89.60	90.20	91.50	92.30	93.30	93.90	93.90	94.70	95.50	96.20	96.80	93.11	1.224
80	79.60	79.80	80.60	82.30	83.90	84.90	85.90	86.30	87.10	88.00	88.50	89.00	84.66	1.346
79	72.30	73.20	73.60	73.90	74.60	75.10	75.60	76.20	76.70	77.70	78.20	78.80	75.49	1.509
78	67.90	68.20	68.20	69.10	69.40	69.90	70.30	70.69	71.10	71.40	71.60	71.90	69.97	1.629
77	64.40	64.60	64.80	65.10	65.40	65.60	65.70	66.00	66.10	66.50	66.70	67.20	65.67	1.735
FY	JUL	AUG	SEP	oct	ROA	DEC	JAN	FEB	MAR	APR	<b>K</b> ay	JUĽ	FISCAL YR AVERAGE	FISCAL YR FACTOR
FY 76 7T	JUL 60.80 63.20	AUG 60.90 63.30	SEP 61.20 64.00	OCT 61.50	<b>MOV</b> 61.80	DEC 61.80	JAN 62.30	FEB 62.50	MAR 62.60	APR 62.70	MAY 62.80	JUY 63.10		
76	60.80	60.90	61.20						-				YE AVERAGE	FACTOR
76 7 <b>T</b>	60.80 63.20	60.90 63.30	61.20 64.00	61.50	61.80	61.80	62.30	62.50	62.60	62.70	62.80	63.10	YR AVERAGE 62.30	FACTOR 1.829
76 7T 75	60.80 63.20 54.50	60.90 63.30 55.50	61.20 64.00 56.30	61.50 57.20	61.80 58.50	61.80 59.00	62.30 59.60	62.50 59.90	62.60 60.10	<b>62.70 60.20</b>	<b>62.80 60.50</b>	63.10 60.60	YR AVERAGE 62.30 58.49	1.829 1.948
76 7T 75	60.80 63.20 54.50 48.70	60.90 63.30 55.50 48.70	61.20 64.00 56.30 48.70	61.50 57.20 48.80	58.50 48.90	61.80 59.00 49.20	62.30 59.60 49.70	62.50 59.90 50.00	62.60 60.10 50.50	62.70 60.20 51.20	62.80 60.50 52.10	63.10 60.60 53.30	YR AVERAGE 62.30 58.49 49.98	1.829 1.948 2.280
76 71 75 74 73	60.80 63.20 54.50 48.70 47.80	60.90 63.30 55.50 48.70 47.80	61.20 64.00 56.30 48.70 47.70	61.50 57.20 48.80 47.70	58.50 48.90 47.80	61.80 59.00 49.20 47.80	62.30 59.60 49.70 47.90	62.50 59.90 50.00 47.90	62.60 60.10 50.50 48.10	62.70 60.20 51.20 48.20	62.80 60.50 52.10 48.50	63.10 60.60 53.30 48.70	92.30 62.30 58.49 49.98 47.99	1.829 1.948 2.280 2.374
76 71 75 74 73	60.80 63.20 54.50 48.70 47.80	60.90 63.30 55.50 48.70 47.80	61.20 64.00 56.30 48.70 47.70	61.50 57.20 48.80 47.70 47.20	58.50 48.90 47.80 47.10	61.80 59.00 49.20 47.80 47.10	62.30 59.60 49:70 47.90 47.30 46.90	62.50 59.90 50.00 47.90 47.50	62.60 60.10 50.50 48.10 47.60	62.70 60.20 51.20 46.20 47.60	62.80 60.50 52.10 48.50 47.70	63.10 60.60 53.30 48.70 47.80	YR AVERAGE 62.30 58.49 49.98 47.99	1.829 1.948 2.280 2.374 2.405
76 71 75 74 73 72	60.80 63.20 54.50 48.70 47.80 47.20	60.90 63.30 55.50 48.70 47.80 47.30	61.20 64.00 56.30 48.70 47.70 47.20	61.50 57.20 48.80 47.70 47.20	58.50 48.90 47.80 47.10	61.80 59.00 49.20 47.80 47.10	62.30 59.60 49:70 47.90 47.30 46.90	62.50 59.90 50.00 47.90 47.50	62.60 60.10 50.50 48.10 47.60	62.70 60.20 51.20 46.20 47.60	62.80 60.50 52.10 48.50 47.70	63.10 60.60 53.30 48.70 47.80	98 47.99 47.38 46.74	1.829 1.948 2.280 2.374 2.405 2.438
76 71 75 74 73 72 71	60.80 63.20 54.50 48.70 47.80 47.20 46.10	60.90 63.30 55.50 48.70 47.80 47.30 46.20	61.20 64.00 56.30 48.70 47.70 47.20 46.40	61.50 57.20 48.80 47.70 47.20 46.40 44.80	58.50 48.90 47.80 47.10 46.60	59.00 49.20 47.80 47.10 46.70	62.30 59.60 49:70 47.90 47.30 46.90	62.50 59.90 50.00 47.90 47.50 47.10	62.60 60.10 50.50 48.10 47.60 47.20	62.70 60.20 51.20 48.20 47.60 47.10	62.80 60.50 52.10 48.50 47.70 47.10	63.10 60.60 53.30 48.70 47.80 47.10	92.30 58.49 49.98 47.99 47.38 46.74 45.11	1.829 1.948 2.280 2.374 2.405 2.438 2.526

Troop Support Historical Inflation Indices

BLS Code: 14-4 RAILBOAD EQUIPMENT



FY	OCT	Moā	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YR AVERAGE	FISCAL YR FACTOR
88	104.60	105.00	105.00	105.30	104.80	105.50	106.20	107.00	108.10	108.00	108.50	108.70	106.39	1.000
87	105.20	105.20	105.30	105.20	104.60	104.70	104.60	104.50	104.40	104.70	104.80	104.80	104.83	1.015
86	105.20	105.10	105.20	105.90	105.50	105.60	105.60	105.30	105.30	106.10	104.90	105.20	105.41	1.009
85	103.60	103.60	103.60	103.90	104.40	104.70	104.80	104.60	105.00	105.10	105.20	105.20	104.47	1.018
84	100.60	100.60	101.20	101.50	101.50	101.60	102.30	102.30	102.30	102.90	103.20	103.20	101.93	1.044
83	101.20	161.20	101.20	101.30	101.20	101.10	101.00	101.10	101.00	101.40	101.30	101.20	101.18	1.051
82	97.80	98.50	98.20	99.80	99.80	99.90	99.10	98.90	98.90	98.90	100.40	100.40	99.22	1.072
81	93.30	93.40	93.50	96.00	96.00	96.40	96.90	95.60	95.70	97.60	97.80	97.80	95.83	1.110
80	82.60	83.20	83.40	85.90	86.40	87.20	89.40	89.60	90.10	91.30	91.80	92.40	87.77	1.212
79	75.10	75.50	75.60	76.90	77.40	77.60	78.40	78.40	79.30	81.00	81.10	81.30	78.13	1.362
78	68.90	68.90	69.20	70.30	70.60	70.60	72.20	72.40	72.40	73.20	73.40	74.10	71.35	1.491
77	64.30	64.30	64.40	65.80	65.80	66.40	66.70	66.70	66.90	67.60	67.90	67.90	66.22	1.607
FY	JUL	AUG	SEP	OCT	NoA	DEC	JAN	FEB	MAR	APR	<b>K</b> ay	JUK	FISCAL YR AVERAGE	FISCAL TR FACTOR
76 7 <b>T</b>	58.40 62.60	58.20 63.20	58.40 63.20	59.10	59.70	60.00	60.40	61.20	61.20	61.70	61.70	62.20	60.75	1.751
75	48.50	50.40	51.40	52.20	53.10	54.20	56.70	56.90	57.20	57.20	57.60	57.50	54.41	1.955
74	38.90	39.00	39.30	39.30	39.40	40.00	40.50	40.70	41.80	42.90	44.40	47.20	41.12	2.588
73	37.60	37.60	37.60	37.60	37.60	37.80	38.00	38.20	38.30	38.50	38.80	38.90	38.04	2.797
72	35.20	35.30	35.30	35.30	35.30	35.30	35.70	35.80	36.70	37.10	37.40	37.40	35.98	2.957
71	33.20	33.20	33.30	33.50	33.50	33.70	34.30	34.30	34.50	34.50	34.70	34.80	33.96	3.133
70	31.90	32.00	32.00	32.20	32.20	32.30	32.70	32.80	33.00	33.10	33.10	33.20	32.54	3.269
69	29.80	29.90	29.90	30.30	30.30	30.30	30.30	30.30	30.80	30.80	31.00	31.20	30.41	3.499
68	28.70	28.70	28.70	29.20	29.30	29.30	29.40	29.40	29.40	29.40	29.40	29.40	29.19	3.645
67	28.10	28.10	28.10	28.10	28.10	28.60	28.70	28.70	28.70	28.70	28.70	28.70	28.44	3.741



Troop Support Historical Inflation Indices

BLS Code: 03THE015 INDUSTRIAL COMMODITIES

FY	OCT	ZOA	DEC	JAY	FEB	KAR	APR	KAY	JUN	JOL	AUG	SEP	FISCAL YR AVERAGE	FISCAL YR FACTOR
88	104.00	104.20	104.20	104.40	104.60	104.70	105.60	106.10	106.40	106.70	107.10	106.90	105.41	1.000
87	99.10	99.20	99.20	100.40	100.80	101.10	101.60	101.90	102.40	103.10	103.70	103.50	101.33	1.040
86	103.80	104.00	104.10	103.70	102.10	100.50	99.80	99.80	99.80	98.80	98.60	98.80	101.15	1.042
85	103.60	103.70	103.40	103.40	103.20	103.30	103.70	104.20	104.00	103.90	103.70	103.20	103.61	1.017
84	102.00	101.90	102.00	102.20	102.70	103.10	103.30	103.50	103.70	103.70	103.50	103.20	102.90	1.024
63	100.60	100.90	100.90	100.50	100.50	100.40	100.00	100.40	100.90	101.40	101.60	101.50	100.80	1.046
82	99.00	99.00	99.30	99.80	99.80	99.60	99.20	99.10	99.50	100.20	100.30	100.10	99.57	1.059
81	90.30	90.70	91,80	93.30	94.70	95.90	97.20	97.60	97.70	98.10	98.40	98.40	95.34	1.106
80	79.70	80.30	81.10	83.40	85.10	86.00	86.90	87.10	87.60	88.40	89.10	89.30	85.33	1.235
79	68.70	69.20	69.60	70.50	71.30	72.20	73.30	74.20	74.90	76.10	77.00	78.20	72.93	1.445
78	63.70	63.80	64.10	64.60	65.00	65.40	65.00	66,40	65.80	67.30	67.70	68.00	65.73	1.604
77	59.70	59.90	60.00	60.30	60.90	61.40	61.90	62.20	62.30	62.70	63.10	63.30	61.48	1.715
FY	JOL	∆UG	SEP	oct	Kok	DEC	JAY	FEB	MAR	APR	MAY	JUN	FISCAL YR AVERAGE	FISCAL YE FACTOR
76 7 <b>1</b>	54.80 58.50	55.10 58.90	55.40 59.20	56.00	56.10	56.40	56.80	57.00	57.30	57.70	57.80	58.10	57.01	1.849
75	50.50	51.70	52.10	52.80	53.10	53.20	53.60	53.90	54.10	54.30	54.50	54.60	53.20	1.981
74	40.40	40.60	40.80	41.10	41.70	42.30	43.30	44.20	45.60	46.90	48.20	49.20	43.69	2.413
73	37.60	37.90	38.00	38.00	38.10	38.20	38.40	38.80	39.30	39.80	40.10	40.30	38.72	2.722
72	36.70	36.90	36.90	36.90	36.80	37.00	37.10	37.30	37.40	37.50	37.70	37.80	37.17	2.836
71	35.30	35.30	35.40	35.60	35.60	35.80	35.90	36.00	36.20	36.30	36.40	36.50	35.86	2.940
70	33.80	34.00	34.10	34.30	34.40	34.50	34.70	34.80	34.80	35.00	35.10	35.20	34.56	3.050
69	32.80	32.80	32.90	33.10	33.10	33.20	33.40	33.60	33.70	33.80	33.80	33.80	33.33	3.162
68	31.90	32.00	32.10	32.20	32.30	32.40	32.50	32.70	32.70	32.80	32.80	32.80	32.43	3.250
67	31.70	31.70	31.70	31.70	31.80	31.80	31.90	31.90	31.90	31.90	31.90	31.90	31.82	3.313